

## ABSTRACT

A multiple-input redundant power system accepts both AC and DC power inputs. Redundancy is further provided by the use of converters for the AC input, and converters for the DC input. An output distribution element provides for simple combining of converter outputs, and for more complex load sharing and load control arrangements. Advantages accruing from the AC/DC input approach are savings in facility infrastructure, since existing power sources can be utilized, and high availability and reliability in accordance with certain embodiments. The approach has many applications in computing and telecommunications.